



MLDS CENTER

Maryland Longitudinal Data System

Address 550 West Baltimore Street
Baltimore, MD 21201
Phone 410-706-2085
Email mlds.center@maryland.gov
Website www.MLDSCenter.org

MEMORANDUM

TO: MLDS Governing Board
FROM: Ross Goldstein
DATE: December 7, 2018
SUBJECT: External Researcher and Grant Funded Projects

Purpose

The Center received three new applications under the *Policies and Procedures for External Researchers and Grant Funded Projects*. The first two applications have been approved by the Chairman (because the grant due date was prior to the Governing Board meeting) and the third application is pending the Governing Board's review and approval at the upcoming meeting.

Application #1

Grant	Spencer Foundation
Topic	Modeling the Supply of MInority Teachers
Researcher	Dr. David Blazar, College of Education, UMCP
This research proposal seeks to extend research on minority teacher-student matches and build an empirical model of minority teacher supply, with the goal of informing policies to increase teacher diversity; provide new opportunities for racial, ethnic, and language minority students to work with a teacher like them; and increasing educational and life outcomes of disadvantaged groups.	
Requested Action: None	

Application #2

Grant	Russell Sage Foundation
Topic	The Effect of Diversity on Long-Term Economic Opportunity: Evidence from Education and Workforce Data in Maryland
Researcher	Dr. David Blazar, College of Education, UMCP
Over the last several decades, there has been a large shift in demographics of the U.S., particularly in urban communities, raising questions about the effects of increased diversity on both short-term schooling outcomes -- where debates regarding inclusion and integration largely have played out -- and long-term economic opportunity. This project will examine how school-based diversity -- defined by the racial, ethnic, and language composition within schools -- predicts college enrollment and	

persistence, and wages. To do so, we will use K-12 education data from MSDE, higher education data from MHEC, and wage data from DLLR. We also will leverage several identification strategies, including exploiting within-school variation over time, to limit sources of bias due to non-random sorting of students to schools.
Requested Action: None

Application #3

Grant	National Science Foundation
Topic	High School Determinants of STEM College and Career Outcomes
Researcher	Dr. Jane Lincove, School of Public Policy, UMBC
<p>Nationally, there is a focus on preparing students to enter middle and high skilled jobs, which offer higher wages and better benefits than low skilled jobs. The advancements in science, technology, engineering, and math (STEM) industries, research, and development, and subsequently the need for middle and high skilled STEM workers are a major driver in preparing students for college and career. Maryland is a strong performer in STEM secondary, postsecondary, and workforce production; however, competing states significantly outproduce Maryland in terms of STEM graduates, STEM workforce development, and STEM-based economic development. Furthermore, there is an under-representation of minority and low income students in STEM fields. Examining the high school determinants of STEM college and career outcomes is critical for determining the best policies to implement to increase Maryland's STEM production. This proposed study will provide insight into how to improve pathways to STEM careers for all students by examining how high school resources influence these pathways.</p>	
Requested Action: Board Approval	
<p>Recommendation: I recommend that the Governing Board approve this External Researcher and Grant Funded Project application. The research is cross-sector and is responsive to the Governing Board's Research Agenda (see Research Agenda Question 2). Dr. Lincove has the requisite expertise and experience to conduct the planned research. Finally, the proposed research addresses an important topic that may provide actionable information for state policy makers.</p>	

Update

At the September 2018 meeting, the Governing Board approved Dr. Henneberger to apply for a grant to the Spencer Foundation to study the following topic: *Poverty and Long-term College and Career Outcomes: Exploring Individual and School Level Protective Effects*. After further consideration, Dr. Henneberger determined that the topic was too ambitious for the size of the grant being offered. She therefore divided the research plan into two projects and submitted one to the Spencer Foundation and the other the American Educational Research Association (AERA).